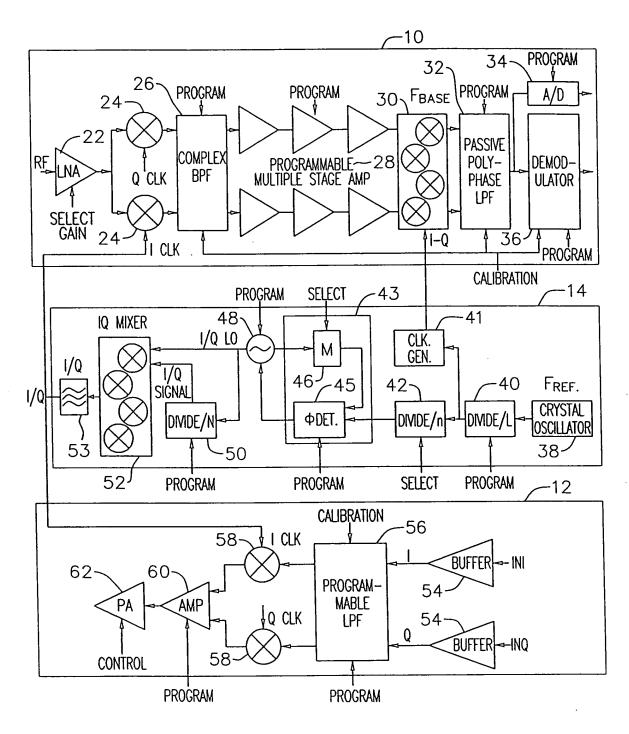
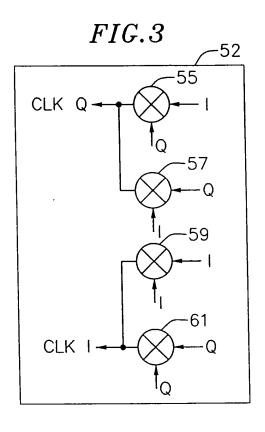


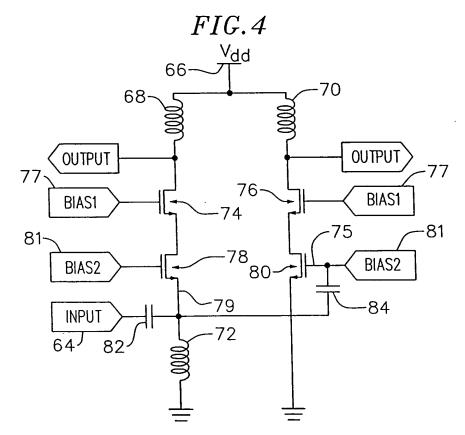


FIG.2



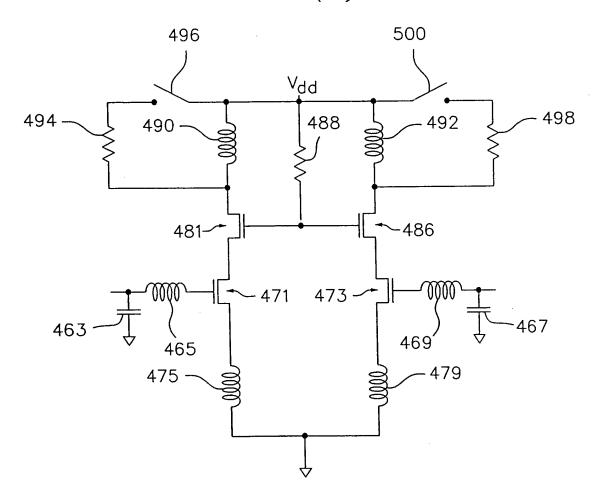








 $FIG.4(\alpha)$







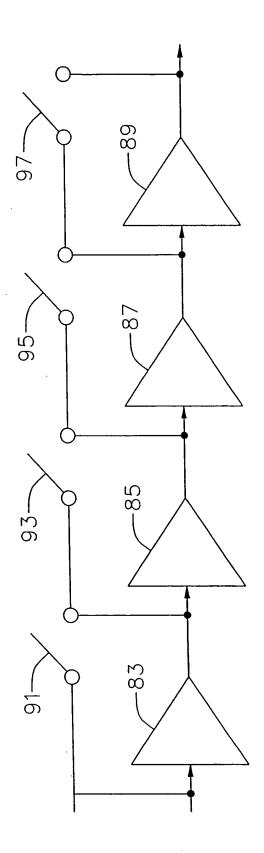
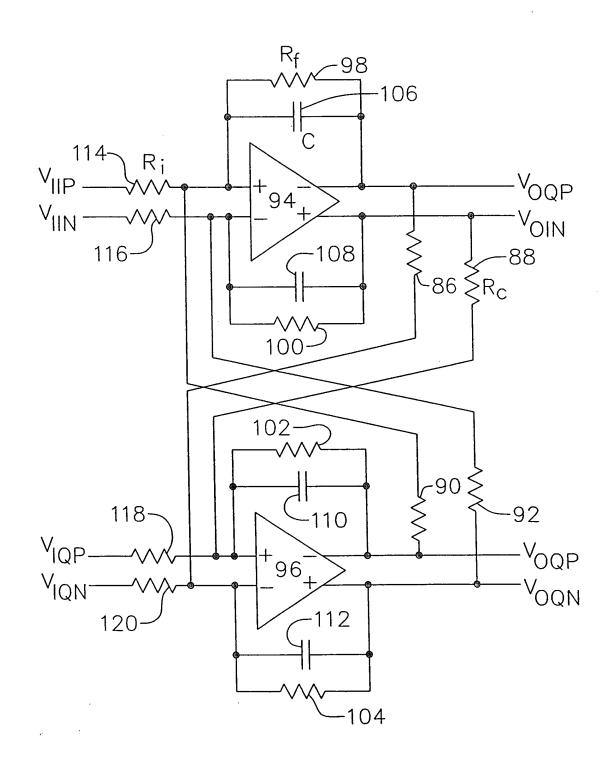
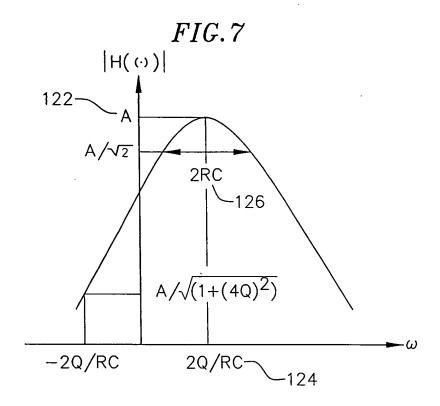




FIG.6







*FIG.*8

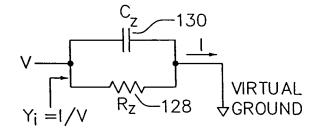


FIG.9

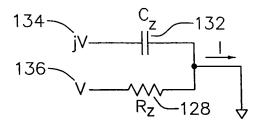
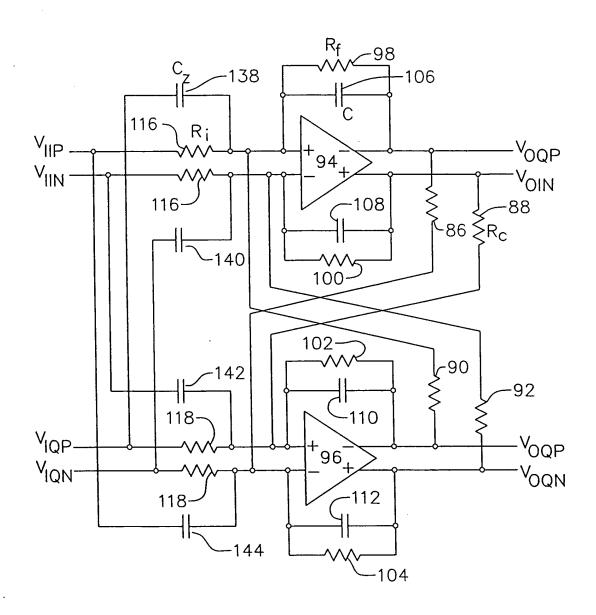




FIG. 10



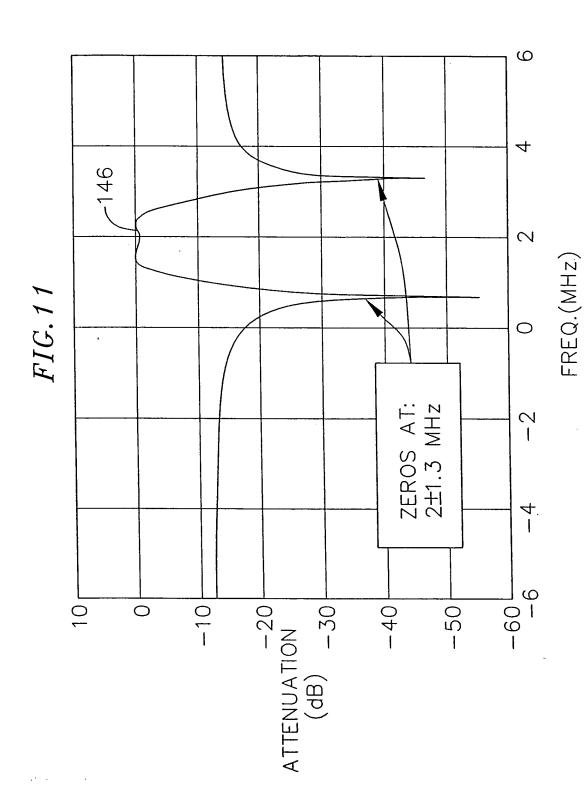




FIG. $12(\alpha)$

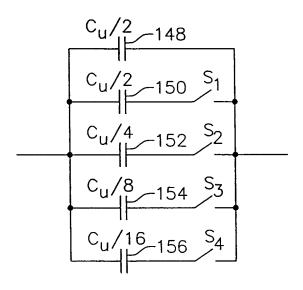


FIG. 12(b)

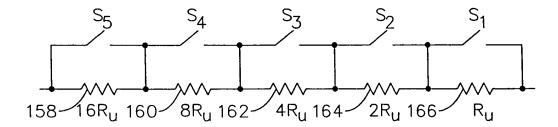




FIG. 13

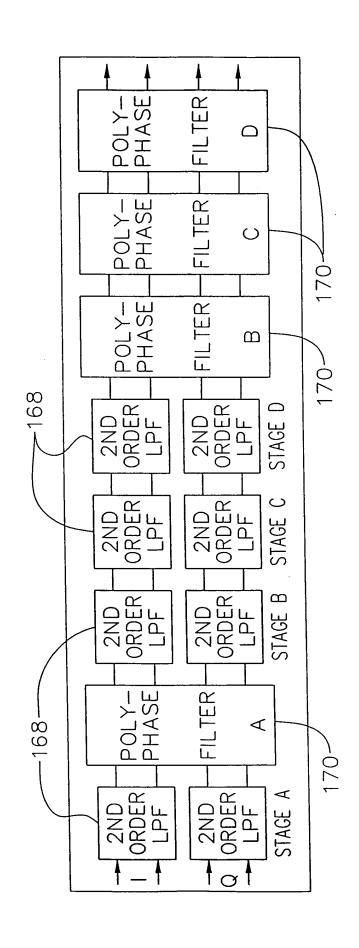




FIG. 14

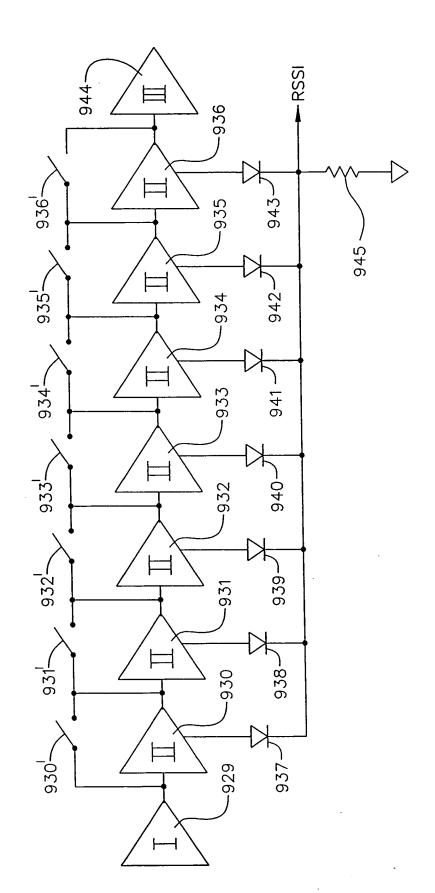




FIG. 15

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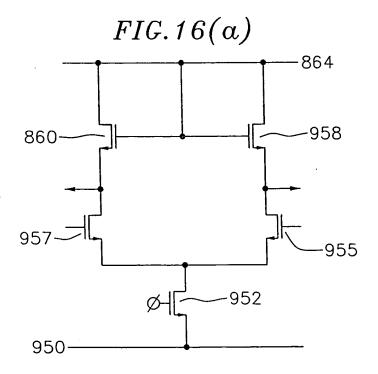
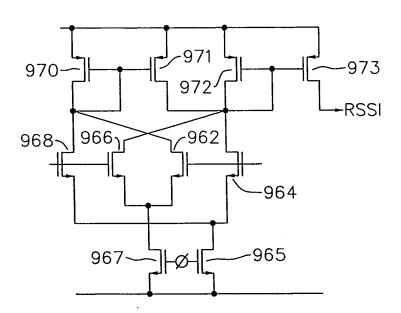
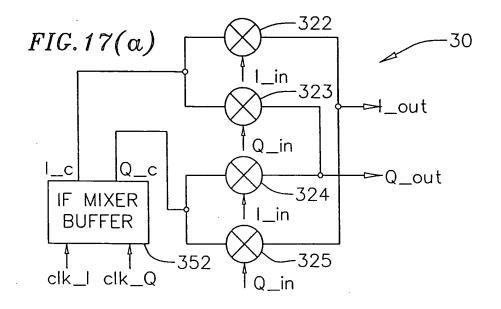


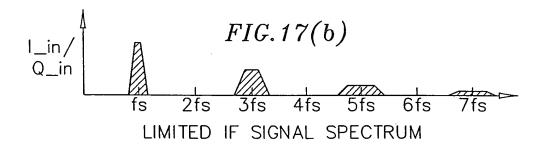


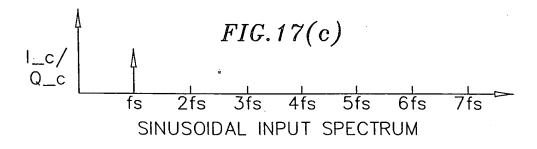
FIG. 16(b)











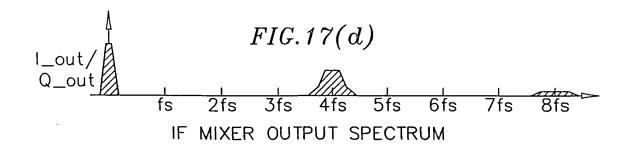
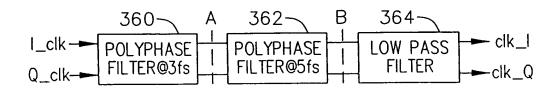
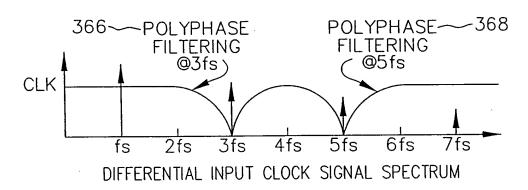


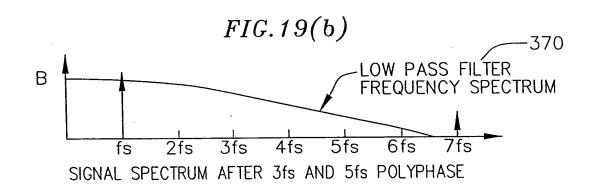


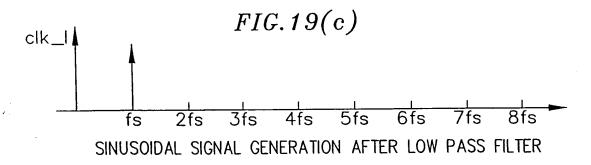
FIG. 18



 $FIG.19(\alpha)$









 $FIG.20(\alpha)$

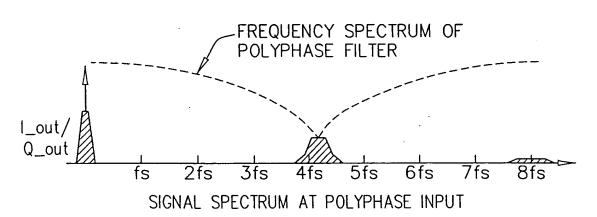
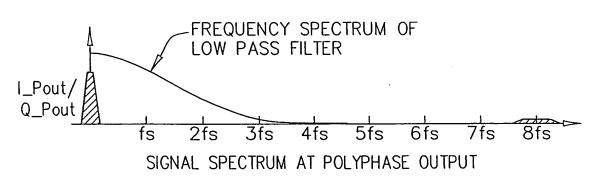


FIG.20(b)



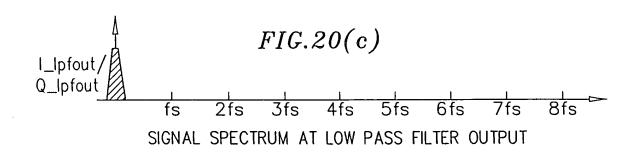




FIG.21

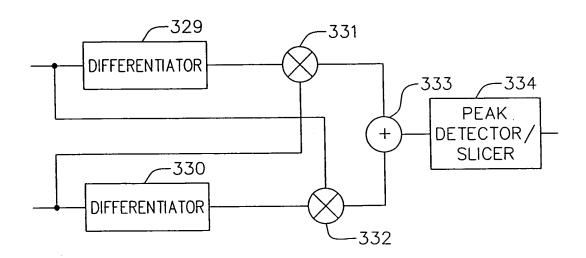


FIG.22

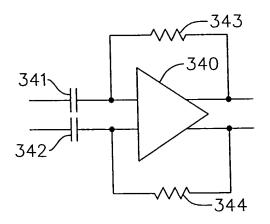




FIG.23

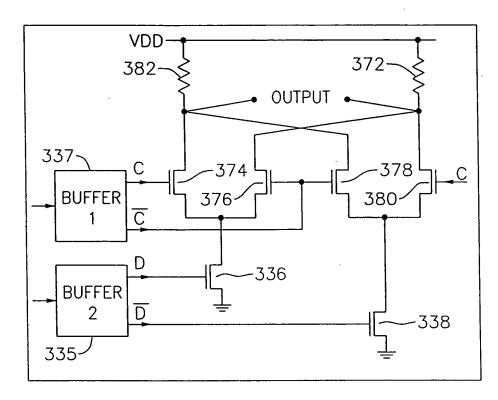
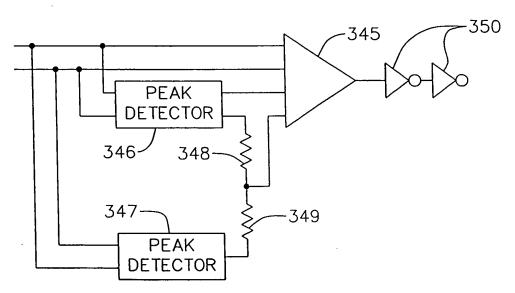
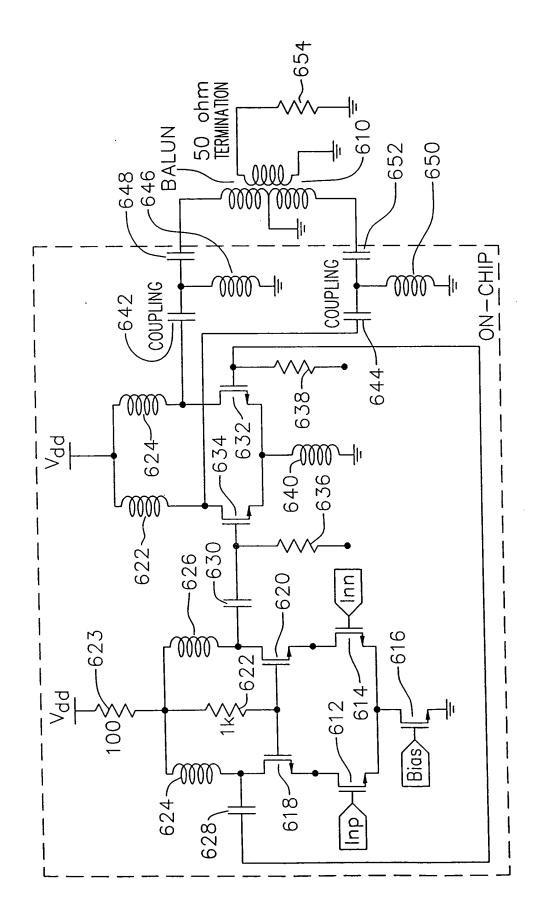


FIG.24











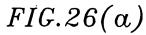
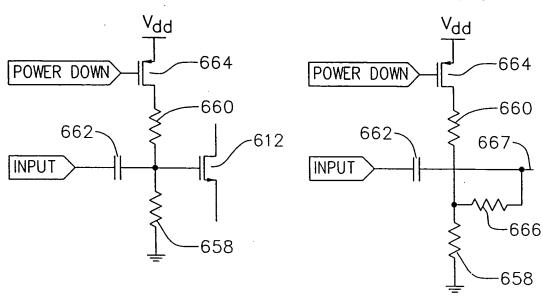


FIG.26(b)



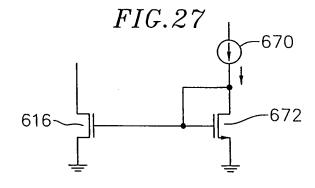
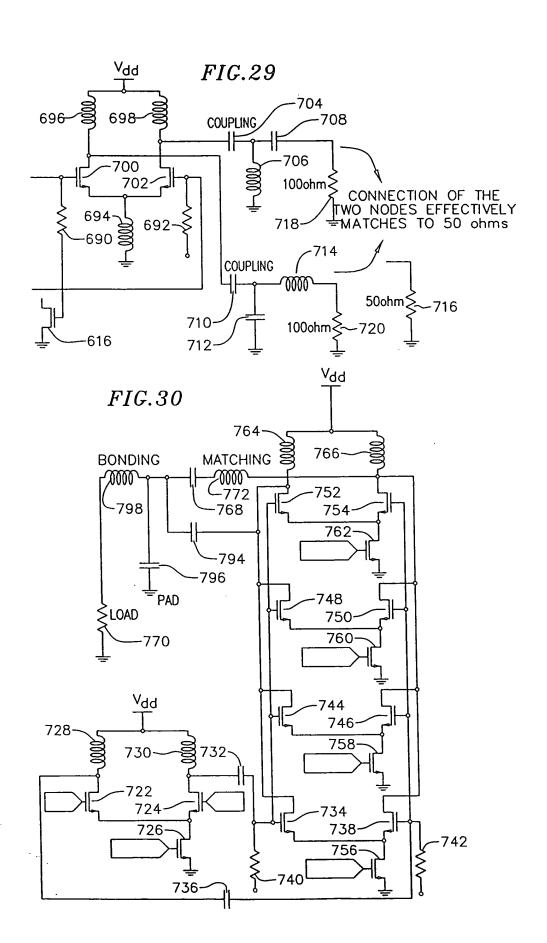


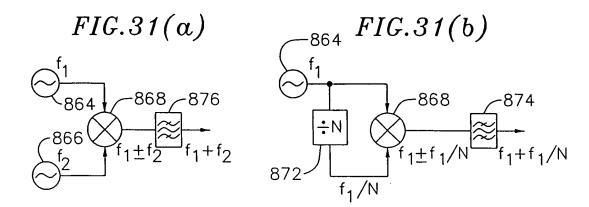
FIG. 28

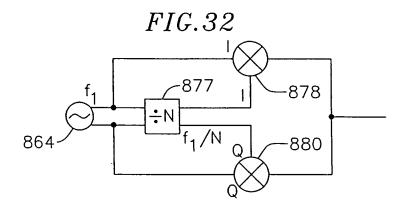
674
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Vp1
Vp2
Vp3
Vp4
682
684
686
688

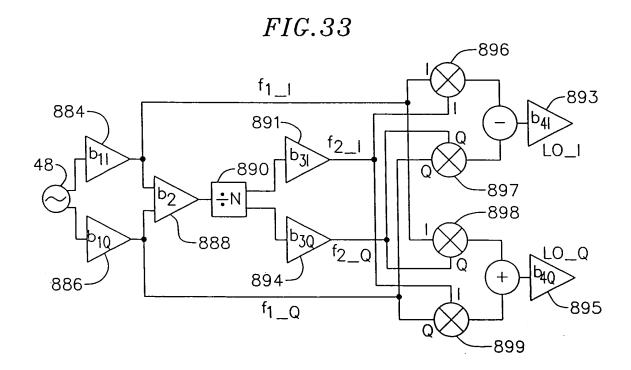














 $FIG.33(\alpha)$

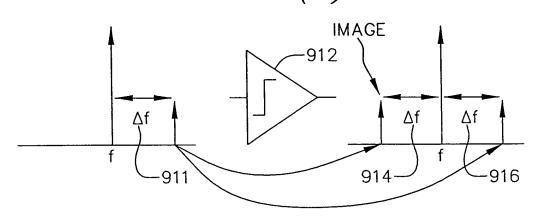


FIG.34

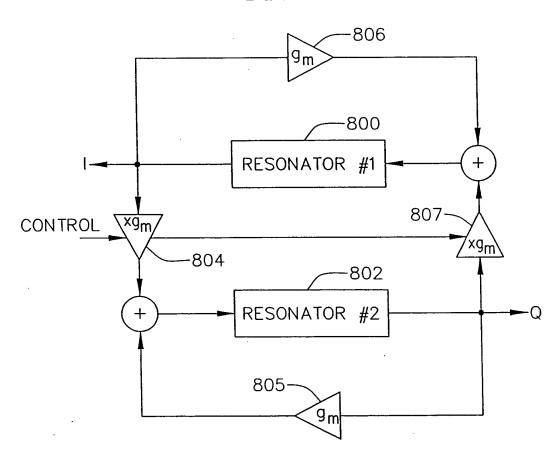
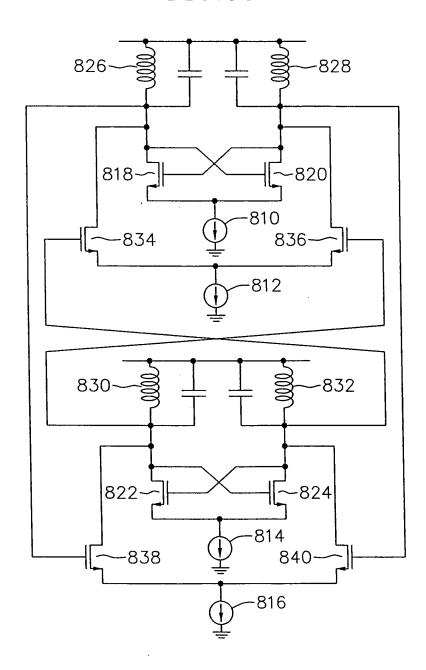
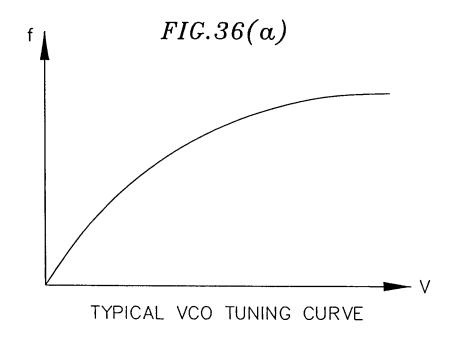


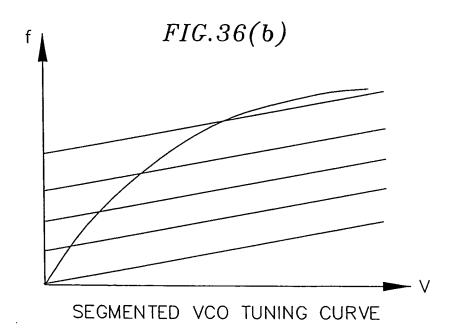


FIG.35











 $FIG.37(\alpha)$

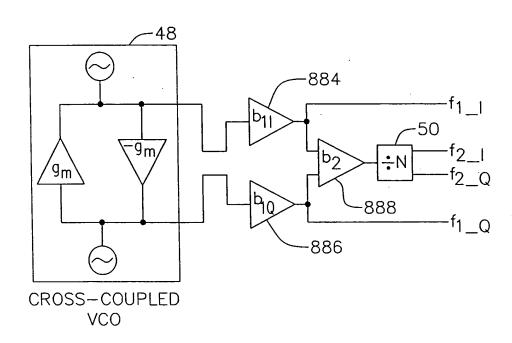


FIG.37(b)

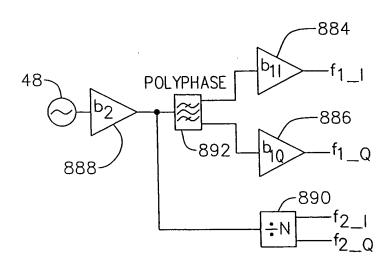
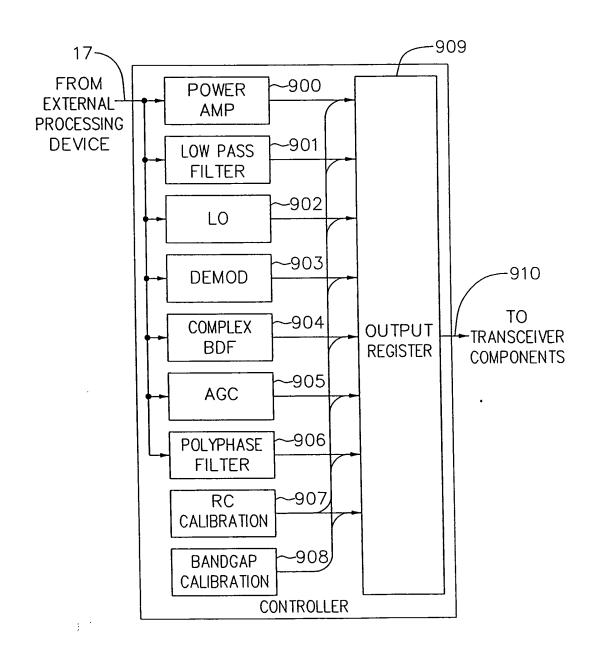
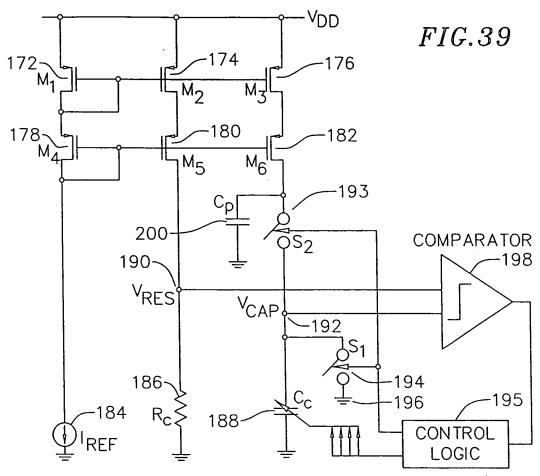


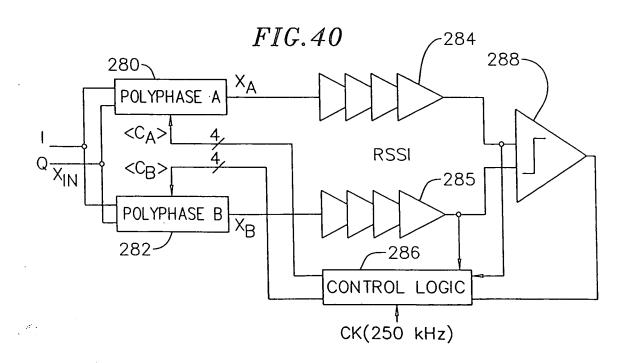


FIG.38

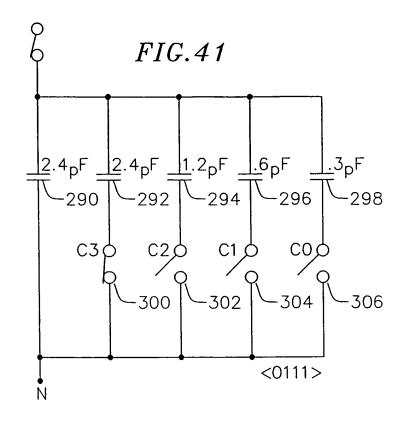












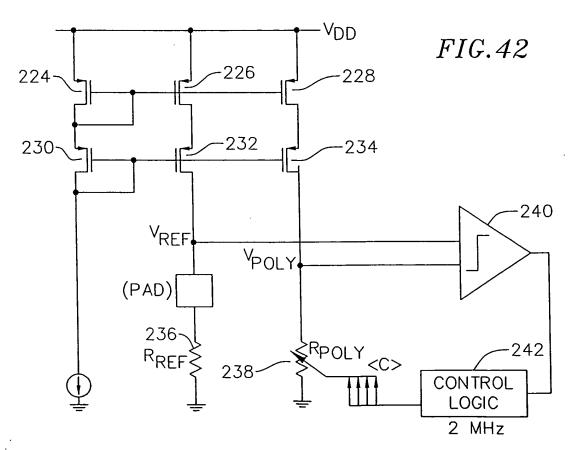
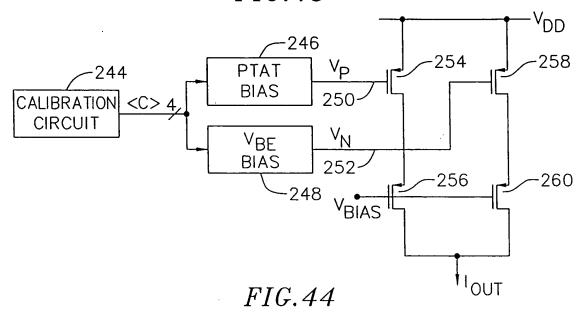




FIG.43



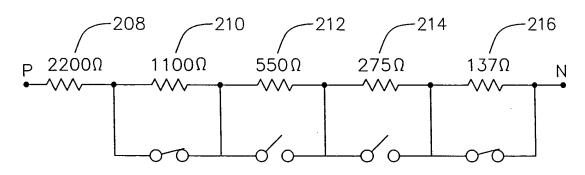
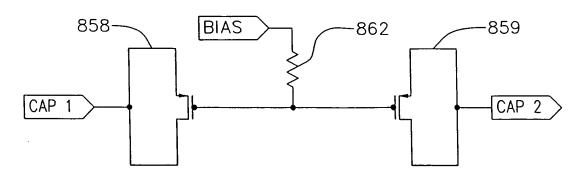
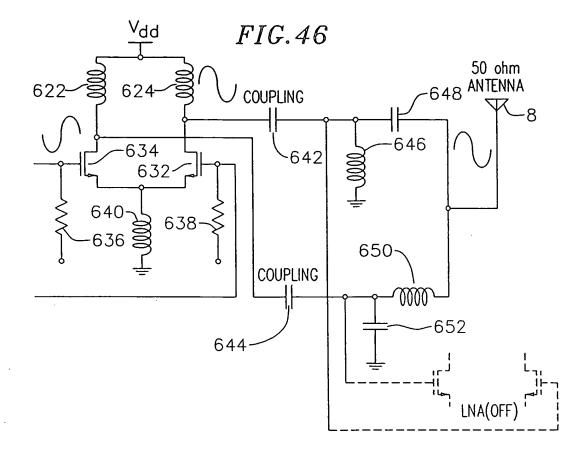


FIG. 45





2° 2' 2

FIG. 47

COUPLING
648
ANTENNA

PA(OFF)
642
650

COUPLING
650

LNA(ON)
644
652